WHAT IS CLAIMED IS:

1.   A transmission power control method of a forward-acknowledgement channel, comprising the steps of:

5   receiving packet transmission information in a base station; and

determining a power of a transmission signal transmitted via the forward-acknowledgement channel (F-ACKCH) using an increment for a reference transmission

10   power value of a boost mode in case that the packet transmission control information contains a boost operation.

2.   The transmission power control method of claim 1, wherein the increment for the transmission power value

15   is determined according to a sub-packet identification (SPID) or service data unit length (SDU_length) transmitted via a reverse-packet data control channel.

3.   The transmission power control method of claim

20   1, wherein the power of the transmission signal transmitted via the forward-acknowledgement channel (F-ACKCH) is determined in a manner of adding the increment to the reference transmission power value of the boost mode if the signal is an acknowledgement (ACK).

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4.   The transmission power control method of claim

1, wherein the power of the transmission signal transmitted via the forward-acknowledgement channel (F-ACKCH) is determined in a manner of adding the increment to the reference transmission power value of the boost mode if
5   the signal is a non-acknowledgement (NACK).

      5.   An acknowledgement control method of a forward-acknowledgement channel, comprising the steps of:
      receiving acknowledgement information in a mobile
10   station;
      determining a boost mode threshold using an increment for a boost mode reference threshold in case of a boost mode operation; and
      deciding a presence or non-presence of
15   acknowledgement using the threshold.

      6.   The acknowledgement control method of claim 5, wherein the increment for the reference threshold is determined according to a sub-packet identification (SPID)
20   or service data unit length (SDU_length) transmitted via a reverse-packet data control channel.

      7.   The acknowledgement control method of claim 5, wherein the increment for the reference threshold is
25   determined according to a sub-packet identification (SPID) and service data unit length (SDU_length) transmitted via a

reverse-packet data control channel.